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PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE
(Case No. 99-383-B1)

In re Application of:		
	John W. Belmont et al.	Examiner: Unassigned
Serial No.:	10/803,738	Group Art Unit: 1651
Filing Date:	March 18, 2004	
For:	Phosphatases Which Activate Map Kinase Pathways	Confirmation No.: 8046

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Mail Stop Amendment
Commissioner for Patents
P. O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

In regard to the above identified application,

1. We are transmitting herewith the attached:
   a) Supplemental Information Disclosure Statement;
   b) U.S. PTO 1449 Form with a copy of 139 references; and
   c) Return Receipt Postcard.

2. With respect to fees:
   a) No fee is required.
   b) Please charge any underpayment or credit any overpayment our Deposit Account, No. 13-2490.

3. CERTIFICATE OF MAILING UNDER 37 CFR § 1.8: The undersigned hereby certifies that this Transmittal Letter and the paper, as described in paragraph 1 hereinabove, are being deposited with the United States Postal Service with sufficient postage as first class mail in a box addressed to Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on this 6 day of October, 2005.

Respectfully submitted,

Date: Oct. 6, 2005

Emily Miao
Registration No. 35,285

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Sir:

In order to comply with discretionary regulations 37 CFR §§1.97 and 1.98, attached hereto is Form PTO-1449, copies[1] of the documents listed thereon. These documents contain information which the Examiner may consider to be important in deciding whether to allow the present application to issue as a patent.

In accordance with MPEP Sections 609 and 707.05(b), it is requested that each document cited (including any cited in applicant's specification which is not repeated on the attached Form PTO-1449) be given thorough consideration and that it be cited of record in the prosecution history of the present application by initialing on Form PTO-1449. Such initialing is requested

[1]To the extent that a document is listed and no copy of same is attached, then such document is not at the present time available to the undersigned or is available in the file of a parent application. If a listed document is not in the English language and an English translation is readily available, such translation is also attached; if translation is not attached it is not readily available to the undersigned. If a foreign language patent document is cited, and an English language equivalent is known to the undersigned, then such equivalent patent is also cited on the attached form along with the corresponding foreign language patent and a connecting arrow indicated therebetween; if no such English language equivalent is cited, then none is known to undersigned.

even if the Examiner does not consider a cited document to be sufficiently pertinent to use in a rejection, or otherwise does not consider it to be prior art for any reason, or even if the Examiner does not believe that the guidelines for citation have been fully complied with. This is requested so that each document becomes listed on the face of the patent issuing on the present application.

The present Disclosure Statement is being submitted in compliance with 37 CFR 1.56 insofar as an Examiner might consider any of the cited documents important in deciding whether to allow the application to issue as a patent, but the citation of each document is not to be construed as an admission that such document is necessarily relevant or prior art. No representation is intended that the cited documents represent the results of a complete search, and it is anticipated that the Examiner, in the normal course of examination, will make an independent search and will determine the best prior art consistent with 37 CFR 1.104(a) and 1.106(b) and, in the course of each search, will review for relevance every document cited on the attached form even if not initialed.

Early and favorable consideration is earnestly solicited.

Respectfully submitted,

Dated: Oct. 6, 2005

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SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use several sheets if necessary)

U.S. PATENT DOCUMENTS

Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate

FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Subclass	Translation Yes	Translation No

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc).

	1.	Anafi M, et al., "SH2/SH3 adaptor proteins can link tyrosine kinases to a Ste20-related protein kinase, HPK1," *J Biol. Chem.*, Vol. 272, pp. 27804, 1997, U.S.
	2.	Andersson MB, et al., "Differential regulation of parallel mitogen-activated protein kinases in cardiac myocytes revealed by phosphatase inhibition," *Biochem. Biophys. Res. Commun.*, Vol. 251:328, 1998, U.S.
	3.	Aspenstrom P, et al., "Two GTPases, Cdc42 and Rac, bind directly to a protein implicated in the immunodeficiency disorder Wiskott-Aldrich syndrome," *Curr. Biol.*, Vol. 6, pp.70-75, 1996, U.S.
	4.	Avraham A, et al., "Co-stimulation-dependent activation of a JNK-kinase in T lymphocytes," *Eur. J. Immunol,* . Vol. 28, pp. 2320-2330, 1998

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	5.	Beltman J, et al., "The selective protein kinase C inhibitor, Ro-31-8220, inhibits mitogen- activated protein kinase phosphatase- 1 (MKP-1) expression, includes c- Jun expression, and activates Jun N-terminal kinase," *J. Biol. Chem.,* Vol. 271, pp. 27018-27024, 1996, U.S.
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	16.	Cuenda A, et al., "Activation of stress-activated protein kinase-3 (SAPK3) by cytokines and cellular stresses is mediated via SAPKK3 (MKK6); comparison of the specificities of SAPK3 and SAPK2 (RK/p38)," *EMBO J.*, Vol. 16, pp. 295-305, 1997, U.S.
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	27.	Fischer KD, et al., "Vav is a regulator of cytoskeletal reorganization mediated by the T- cell receptor," *Curr. Biol.*, Vol. 8, pp. 554-562, 1998
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	49.	Hirsch DD, Stork PJ: mitogen-activated protein kinase phosphatases inactivate stress-activated protein kinase pathways in vivo. *J Biol Chem* 272:4568, 1997
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	61.	Kiefer F., et al., "HPK1, a hematopoietic protein kinase activating the SAPK/JNK pathway," *EMBO J.*, Vol. 15, pp. 7013, 1996
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	72.	Matsuda N., et al., "Proliferation and differentiation of human osteoblastic cells associated with differential activation of MAP kinases in response to epidermal growth factor, hypoxia, and mechanical stress in vitro," *Biochem. Biophys. Res. Commun.*, Vol. 249, pp. 350, 1998
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